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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Mamoru Yasui, et al.
Serial No.:	10/585,687
Filed:	March 23, 2007
For:	ALIPHATIC POLYESTER RESIN COMPOSITIONS, MOLDED ARTICLES OF ALIPHATIC POLYESTER RESIN AND METHOD OF PRODUCING SAME
Group Art Unit:	1763
Examiner:	G. Mesh
Confirmation No.:	4706
Attorney Docket:	TKMT P135

CERTIFICATE OF EFS-WEB TRANSMISSION

I hereby certify that this correspondence is being transmitted electronically through EFS-WEB to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 18, 2011.

Signed: /dn/
Deborah Neill

COMMUNICATION

Attention: Examiner Gennadiy Mesh

Commissioner for Patents
Alexandria, Virginia 22313-1450

Sir:

As promised telephonically on the morning of January 17, 2010, undersigned attorney states as follows, concerning some of the matters in the Declaration submitted together with Preliminary Amendment "C":

Regarding *1, when data on crystallization are taken on a resin composition by using a differential scanning calorimeter, it is a common practice to carry out the measurements under the conditions described in the specification (that is, by raising temperature to 210°C at the rate of 50°C/minute, maintaining at this temperature for 5 minutes and then lowering the temperature at the rate of 50°C/minute, as described also in the specification). In the experiments for the Declaration, the same method was practiced but no crystallization peak appeared in the case of Reference Examples 19-21. This indicates that no crystallization of

the type that can result in a peak was taking place although local crystallization may have been taking place.

Regarding *2, new data on new experiments carried out under varied conditions (molding temperature = 40°C) are presented as follows.

Example	Kind of aliphatic polyester resin compound	Molding condition (Temperature (°C)/time(sec))	Evaluation at time of molding	Evaluation of molded articles		
			Mold release deformation	Bending test (Strength (MPa)/ Elastic ratio (MPa))	Deflection temperature under load (°C)	Crystallinity (Absolute (%)/relative (%))
Test 20	P-1	40/40	A	101.3/3315	62.1	23.2/9
25	P-6	40/40	A	101.6/3322	64.4	24.8/4
26	P-7	40/40	A	103.2/3485	65.1	27.2/3
Ref 22	R-11	40/40	A	98.1/3310	60.3	22.1/5
23	R-12	40/40	A	98.2/3268	60.1	22.4/3
24	R-13	40/40	A	97.7/3112	59.4	23.1/2

Although products with no mold release deformation can be obtained from Reference Examples, crystallinity is low and hence only products inferior in strength, elasticity and deflection temperature under load can be obtained with Reference Examples.

As explained telephonically, the statements provided above will be submitted in the form of inventor's declaration under Rule 132. Please communicate with undersigned attorney regarding this matter.

Respectfully submitted,
Weaver Austin Villeneuve & Sampson LLP
/kn/

Keiichi Nishimura
Registration No. 29,093

January 18, 2011
500 12th Street, Suite 200
Oakland, California 94607
Telephone: (510) 663-1100
Telefax: (510) 663-0920